ABSTRACT

The invention relates to a device for grinding rollers (6), also for grinding hollow rollers. As the rollers tend to vibrate transversally as a result of the contact with the grinding disc (13), a cushioned body (15) is applied to the opposite side of the roller from the grinding disc (13), said body being engaged pneumatically against the roller (6) and adapting at least partially to the contours of the roller. The cushioned body consists of an elastic solid material or an elastic external skin that is filled with an elastic pressurised medium. The engagement pressure of the cushion is adjustable. This is achieved by a pneumatic advance cylinder (17) located on a base (16), said cylinder having a piston that can be impinged on both sides (18) and that bears on its piston rod (19) a fixing plate (20) comprising the elastic cushion (15). The advance cylinder (17) is connected to compressed air conduits (21, 22), P indicating the conduit comprising a pressure regulator and L indicating the return conduit in the standard case. The invention thus provides a device (14) for damping vibrations, which suppresses any regenerative chatter and guarantees a grinding pattern that is devoid of chatter marks.